

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A display device having a plurality of pixels, comprising:

a substrate;

a ~~conductive~~ gate line provided on the substrate;

a first insulating layer provided on the ~~conductive~~ gate line;

a plurality of source lines at least partially overlapping the gate line with the first insulating layer interposed therebetween;

a plurality of an island-shaped conductor conductors for repairing ~~gate~~ line disconnection, provided above the ~~conductive~~ gate line with the first insulating layer interposed therebetween, the plurality of island-shaped conductors provided between and adjacent the source line;

a switching element controlling a signal to a pixel;

a second insulating layer with a through hole, provided on the switching element and the plurality of island-shaped conductors ~~conductor~~; and

a pixel electrode provided above the switching element with the second insulating layer interposed therebetween and connected with the switching element via the through hole, the pixel electrode partially overlapping the plurality of island-shaped conductors.

Claims 2-20 (Canceled).

Claim 21 (New): A display device according to Claim 1, wherein the plurality of island-shaped conductors are provided at both ends of the gate line in one pixel.

Claim 22 (New): A display device according to Claim 1, wherein the gate line disconnection is repaired by connecting the gate line and the pixel electrode via the plurality of the island-shaped conductors disposed at both ends of a disconnected portion of the gate line.

Claim 23 (New): A display device according to Claim 22, wherein the switching element is separated from the pixel electrode corresponding to the disconnected portion.

Claim 24 (New): A display device having a plurality of pixels, comprising:

- a substrate;
- a plurality of gate lines provided on the substrate;
- a storage capacitor line between the plurality of gate lines;
- a first insulating layer provided on the plurality of gate lines and the storage capacitor line;
- a plurality of source lines at least partially overlapping the plurality of gate lines and the storage capacitor line with the first insulating layer interposed therebetween;
- an island-shaped conductor for repairing storage capacitor line disconnection, provided above the storage capacitor line with the first insulating layer interposed therebetween;
- a switching element controlling a signal to a pixel;
- a second insulating layer with a through hole, provided on the switching element and the island-shaped conductor; and
- a pixel electrode provided above the switching element with the second insulating layer interposed therebetween and connected with the switching element via the through hole.

Claim 25 (New): A display device according to Claim 24, wherein at least two portions of the island-shaped conductor are connected to the storage capacitor.

Claim 26 (New): A display device according to Claim 24, wherein a plurality of island-shaped conductors are provided between and adjacent the source lines; the pixel electrode is partially overlapping the plurality of island-shaped conductors.

Claim 27 (New): A display device according to Claim 26, wherein the plurality of island-shaped conductors are provided at both end of the storage capacitor line in one pixel.

Claim 28 (New): A display device according to Claim 26, wherein the storage capacitor line disconnection is repaired by connecting the storage capacitor and the pixel electrode via a plurality of the island-shaped conductors disposed at both ends of a disconnected portion of the storage capacitor line.

Claim 29 (New): A display device according to Claim 28, wherein the switching element is separated from the pixel electrode corresponding to the disconnected portion.

Claim 30 (New): A display device having a plurality of pixels, comprising:  
a substrate;  
a plurality of gate lines provided on the substrate;  
a first insulating layer provided on the plurality of gate lines;  
a source line at least partially overlapping the plurality of gate lines with the first insulating layer interposed therebetween;

a plurality of island-shaped conductors for repairing source line disconnection, provided below the source line with the first insulating layer interposed therebetween, the plurality of island-shaped conductors provided between adjacent the gate lines; a switching element controlling a signal to a pixel; a second insulating layer with a through hole, provided on the switching element and the plurality of island-shaped conductors; and a pixel electrode provided above the switching element with the second insulating layer interposed therebetween and connected with the switching element via the through hole, the pixel electrode partially overlapping the plurality of island-shaped conductors.

Claim 31 (New): A display device according to Claim 30, further comprising a storage capacitor line between the plurality of gate lines;

the storage capacitor line provided below the first insulating layer.

Claim 32 (New): A display device according to Claim 30, wherein the plurality of island-shaped conductors are provided at both ends of the source line in one pixel.

Claim 33 (New): A display device according to Claim 30, wherein the source line disconnection is repaired by connecting the source line and pixel electrode via a plurality of the island-shaped conductors disposed at both sides of a disconnected portion of the source line.

Claim 34 (New): A display device according to Claim 33, wherein the switching element is separated from the pixel electrode corresponding to the disconnected portion.

Claim 35 (New): A method for repairing a display device having a plurality of pixels, comprising:

a step of preparing a display device, the display device having a substrate,

a gate line provided on the substrate,

a first insulating layer provided on the gate line,

a plurality of source lines at least partially overlapping the gate line with the first insulating layer interposed therebetween,

a plurality of island-shaped conductors for repairing gate line disconnection

disposed above the gate line with the first insulating layer interposed therebetween and provided between and adjacent the source lines,

a switching element controlling a signal to a pixel,

a second insulating layer with a through hole, provided on the switching element and the plurality of island-shaped conductors, and

a pixel electrode provided above the switching element with the second insulating layer interposed therebetween and connected with the switching element via the through hole, the pixel electrode partially overlapping the plurality of island-shaped conductors;

a step of applying a laser to two points across a disconnected portion of the gate line;

a step of connecting the gate line and the pixel electrode via the plurality of island-shaped conductors at the two points by applying the laser; and

a step of separating switching element from the pixel electrode corresponding to the disconnected portion.

Claim 36 (New): A method for repairing a display device having a plurality of pixels, comprising:

a step of preparing a display device,

the display device having a substrate,

a plurality of gate lines provided on the substrate,

a capacitor line between the plurality of gate lines;

a first insulating layer provided on the plurality of gate lines and the storage capacitor line,

a plurality of source lines at least partially overlapping the plurality of gate lines and the storage capacitor line with the first insulating layer interposed therebetween,

an island-shaped conductor for repairing storage capacitor line disconnection provided above the storage capacitor line with the first insulating layer interposed therebetween,

a switching element controlling a signal to a pixel,

a second insulating layer with a through hole, provided on the switching element and the island-shaped conductor, and

a pixel electrode provided above the switching element with the second insulating layer interposed therebetween and connected with the switching element via the through hole;

a step of applying a laser to two points across a disconnected portion of the storage capacitor line;

a step of connecting the storage capacitor line and the island-shaped conductor at the two points by applying the laser.

Claim 37 (New): A method according to Claim 36, further comprising a step of separating the switching element from the pixel electrode corresponding to the disconnected portion,

wherein a plurality of island-shaped conductors are provided between and adjacent the source lines;

the pixel electrode is partially overlapping the plurality of island-shaped conductors, the storage capacitor line is connected to the plurality of island-shaped conductors.

Claim 38 (New): A method for repairing a display device having a plurality of pixels, comprising:

a step of preparing a display device, the display device having a substrate,

a plurality of gate lines provided on the substrate,

a first insulating layer provided on the plurality of gate lines,

a source line at least partially overlapping the plurality of gate lines with the first insulating layer interposed therebetween,

a plurality of island-shaped conductors for repairing source line disconnection provided below the source line with the first insulating layer interposed therebetween and overlapping with the source line, the plurality of island-shaped conductor provided between and adjacent the gate lines,

a switching element controlling a signal to a pixel,

a second insulating layer with a through hole, provided on the switching element and the source line, and

a pixel electrode provided above the switching element with the second insulating layer interposed therebetween and connected with the switching element via the through hole, the pixel electrode partially overlapping the plurality of island-shaped conductors;

a step of applying a laser to two points across a disconnected portion of the source line;

a step of connecting the source line and the pixel electrode via the plurality of island-shaped conductors at the two points by applying the laser;

a step of separating switching element from the pixel electrode corresponding to the disconnected portion.

Claim 39 (New): A method according to Claim 38, wherein a storage capacitor line is provided between the plurality of gate lines.